

GAU 1656



49165

Pratitioner's D cket No. _____

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: J. Wengel

Application No.: 0 9 / 152,059

Group No.: 1656

Filed: September 11, 1998

Examiner: J. Riley

For: OLIGONUCLEOTIDE ANALOGUES

Assistant Commissioner for Patents
Washington, D.C. 20231

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TECH CENTER 1604/2900

AMENDMENT TRANSMITTAL

1. Transmitted herewith is an amendment for this application.

STATUS

2. Applicant is
 - ☐ a small entity. A statement:
 - ☐ is attached.
 - ☐ was already filed.
 - ☒ other than a small entity.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

☒ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

FACSIMILE

☐ transmitted by facsimile to the Patent and Trademark Office.

Date: February 16, 2001

Signature
Peter F. Corless

(type or print name of person certifying)

(Amendment Transmittal [9-19]—page 1 of 4)



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EXTENSION OF TERM

NOTE: "Extension of Time in Patent Cases (Supplement Amendments) — If a timely and complete response has been filed after a Non-Final Office Action, an extension of time is not required to permit filing and/or entry of an additional amendment after expiration of the shortened statutory period.

If a timely response has been filed after a Final Office Action, an extension of time is required to permit filing and/or entry of a Notice of Appeal or filing and/or entry of an additional amendment after expiration of the shortened statutory period unless the timely-filed response placed the application in condition for allowance. Of course, if a Notice of Appeal has been filed within the shortened statutory period, the period has ceased to run." Notice of December 10, 1985 (1061 O.G. 34-35).

NOTE: See 37 C.F.R. § 1.645 for extensions of time in interference proceedings, and 37 C.F.R. § 1.550(c) for extensions of time in reexamination proceedings.

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. § 1.136 apply.

(complete (a) or (b), as applicable)

- (a) ☐ Applicant petitions for an extension of time under 37 C.F.R. § 1.136 (fees: 37 C.F.R. § 1.17(a)(1)-(4) for the total number of months checked below:

Extension (months)	Fee for other than small entity	Fee for small entity
<input type="checkbox"/> one month	\$ 110.00	\$ 55.00
<input type="checkbox"/> two months	\$ 390.00	\$ 195.00
<input type="checkbox"/> three months	\$ 890.00	\$ 445.00
<input type="checkbox"/> four months	\$ 1,390.00	\$ 695.00

Fee: \$ _____

If an additional extension of time is required, please consider this a petition therefor.

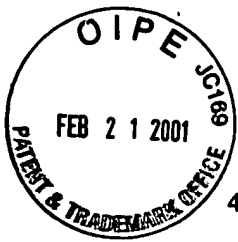
(check and complete the next item, if applicable)

- ☐ An extension for _____ months has already been secured. The fee paid therefor of \$ _____ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ _____

OR

- (b) ☒ Applicant believes that no extension of term is required. However, this is a conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.



FEE FOR CLAIMS

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4. The fee for claims (37 C.F.R. § 1.16(b)-(d)) has been calculated as shown below:

(Col. 1)	(Col. 2)	(Col. 3)	SMALL ENTITY	OTHER THAN A SMALL ENTITY
CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDIT. FEE OR RATE ADDIT. FEE
TOTAL *	MINUS **	=	x\$9 = \$	x\$18 = \$
INDEP. *	MINUS ***	=	x\$40 = \$	x\$80 = \$
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			+\$135 = \$	+\$270 = \$
			TOTAL ADDIT. FEE \$	OR TOTAL ADDIT. FEE \$

- * If the entry in Col. 1 is less than entry in Col. 2, write "0" in Col. 3.
 - ** If the "Highest No. Previously Paid for" IN THIS SPACE is less than 20, enter "20".
 - *** If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, enter "3".
- The "Highest No. Previously Paid For" (Total or indep.) is the highest number found in the appropriate box in Col. 1 of a prior amendment or the number of claims originally filed.

WARNING: "After final rejection or action (§ 1.113) amendments may be made cancelling claims or complying with any requirement of form which has been made." 37 C.F.R. § 1.116(a) (emphasis added).

(complete (c) or (d), as applicable)

- (c) ☐ No additional fee for claims is required.

OR

- (d) ☐ Total additional fee for claims required \$ _____.

FEE PAYMENT

- ☐ Attached is a ☐ check ☐ money order in the amount of \$ _____
- ☒ Authorization is hereby made to charge the amount of \$ any fees due
- ☒ to Deposit Account No. 04-1105
- ☐ to Credit card as shown on the attached credit card information authorization form PTO-2038.

WARNING: Credit card information should *not* be included on this form as it may become public.

- ☒ Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

A duplicate of this paper is attached.



FEE DEFICIENCY

NOTE: If there is a fee deficiency and there is no authorization to charge an account, additional fees are necessary to cover the additional time consumed in making up the original deficiency. If the maximum, six-month period has expired before the deficiency is noted and corrected, the application is held abandoned. In those instances where authorization to charge is included, processing delays are encountered in returning the papers to the PTO Finance Branch in order to apply these charges prior to action on the cases. Authorization to charge the deposit account for any fee deficiency should be checked. See the Notice of April 7, 1986, (1065 O.G. 31-33).

6. ☒ If any additional extension and/or fee is required, charge Account No. 04-1105

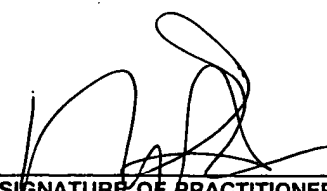
AND/OR

- ☒ If any additional fee for claims is required, charge Account No. 04-1105

Reg. No.: 33,860

Tel. No.: (617) 523-3400

Customer No.:


SIGNATURE OF PRACTITIONER

Peter F. Corless

(type or print name of practitioner)

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130 Water Street
Boston, MA 02109

(Amendment Transmittal [9-19]—page 4 of 4)

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Docket No. 49165

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: J. Wengel

SERIAL NO.: 09/152,059

GROUP: 1656

FILED: September 11, 1998

EXAMINER: J. Riley

FOR: OLIGONUCLEOTIDE ANALOGUES

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2/26/01
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Honorable Commissioner of Patents and Trademarks
Washington, DC 20231

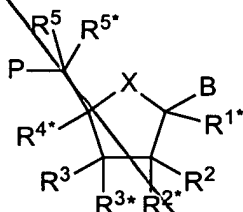
Sir:

AMENDMENT

Applicant is in receipt of the Office Action dated November 16, 2000. Please amend the application as follows.

IN THE CLAIMS

147. An oligomer comprising at least one LNA nucleoside of the general formula I



wherein X is selected from -O-, -S-, -N(R^{N*})-, -C(R⁶R^{6*})-, -O-C(R⁷R^{7*})-, -C(R⁶R^{6*})-O-, -S-C(R⁷R^{7*})-, -C(R⁶R^{6*})-S-, -N(R^{N*})-C(R⁷R^{7*})-, -C(R⁶R^{6*})-N(R^{N*})-, and -C(R⁶R^{6*})-C(R⁷R^{7*})-;

B is selected from hydrogen, hydroxy, optionally substituted C₁₋₄-alkoxy, optionally substituted C₁₋₄-alkyl, optionally substituted C₁₋₄-acyloxy, nucleobases, DNA intercalators, photochemically active groups, thermochemically active groups, chelating groups, reporter groups, and ligands;

P designates the radical position for an internucleoside linkage to a succeeding monomer, or a 5'-